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PATENT

Attorney Docket No. A-70127/RMS/DLR



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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In re application of:

MOTOROLA, INC. (Assignee)

Li et al.

Serial No. 09/458,533

Filed: December 9, 1999

For: *REPORTERLESS GENOSENSORS  
USING ELECTRICAL DETECTION  
METHODS*

) Examiner: SISSON, B.

) Group Art Unit: 1655

) San Francisco, California

CERTIFICATE OF MAILING

) I hereby certify that this correspondence, including listed  
) enclosures, is being deposited with the United States Postal  
) Service as First Class Mail in an envelope addressed to: Box  
) Fee Amendment, Commissioner for Patents, Washington, DC  
) 20231 on: March 6, 2002

Signed: Monica E. Carlos  
MONICA E. CARLOS

**AMENDMENT AND RESPONSE**

Commissioner for Patents  
Box Fee Amendment  
Washington, DC 20231

Sir:

In response to the Final Office Action dated November 6, 2001, Applicants respectfully request the Examiner to reconsider the above-identified patent application in view of the following remarks. This response is submitted with a petition for a one month extension of time along with necessary fee, making this a timely response. This response is also accompanied by a RCE filing with necessary fees. Applicants submit that no other fees are due at this time. However, should the Commissioner determine otherwise, he is hereby authorized to charge any fees, including extension fees, or other relief which may be required, or credit any overpayment to Deposit Account No. 06-1300 (Our Order No. A-70127/RMS/DLR).

**REMARKS**

Claims 36-55 are pending and are under consideration in this case. An "Appendix of Pending Claims" is attached hereto for the Examiner's convenience.

Claims 36-55 are rejected under 35 U.S.C. §103(a) as being unpatentable over Heller et al. ("Heller"), in view of Wiles et al ("Wiles").

The present invention is directed to an apparatus for electrical detection of molecular interactions between immobilized oligonucleotide probe and a target nucleic acid molecule. The inventive apparatus comprises: a) a plurality of micro-electrodes each comprising a conjugated